

Wave

Wave Bathing & Transfer System

Z210, Z220, & Z230 Product Manual



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IMPORTANT

Please save this product manual for future reference. Additional copies are available at <http://www.rifton.com/customer-service/product-manuals>.

Key for users

Use this key to determine which sections of this product manual apply to you.



Technical Users For professionals who order and set up Rifton products.



Home Users For care-givers who use Rifton products on a regular basis.



Maintenance Personnel For anyone who is responsible for service or re-ordering of Rifton products and parts.

WARNING



- Thoroughly read and understand the information in this product manual before attempting to use this product. If the procedures and instructions in this product manual are not followed, serious injury or death could occur.
- A qualified professional must assess the appropriateness and safety of all equipment for each user.
- This product is intended for use by clients of unreliable judgment. Adult supervision is required at all times.
- To prevent falls and injuries:
 - Do not use this product on rough and uneven terrain, around swimming pools, or near stairways.
 - Ensure the appropriate use of straps and supports at all times. Straps and supports are provided for the safety of the user and must be carefully adjusted for comfort and security.
 - Tighten all adjustment knobs before use and immediately after making any adjustments.
- Do not use this product for clients outside the height and weight limits specified in this manual.
- To prevent pinching or crushing, ensure that all hands and feet are clear of moving parts during adjustment.
- To prevent structural failure, which may result in serious injury or death:
 - Inspect this product and components regularly for loose or missing screws, metal fatigue, cracks, broken welds, missing attachments, general instability or other signs of excessive wear.
 - Immediately remove this product from use when any condition develops that might make operation unsafe.
 - Do not use Rifton components or products for any purpose other than their intended use.
- To prevent drowning, use extra caution when using the bath chair in a bathtub.

Recommended use

The Rifton Wave bathing and transfer system is a Class 1 medical device. It is intended to provide a stable, quick-drying seat for bathing or showering for individuals with disabilities. Adjustments and additional supports are available for the safety and comfort of the user. The tub transfer base enables easier transfers over the bathtub for large users.

User and item dimensions

User dimensions – inches (cm)	small	medium	large
Height	30-46 (76-117)	40-56 (102-142)	50-74 (127-188)



Key user dimension: height

Select the appropriate bath chair by the user's overall height. Choose the size that allows for growth.

Important: Make sure that seat depth, width, and back height are adequate. The user's weight must not exceed the maximum working load.

Item dimensions – inches (cm)	small	medium	large
Seat depth	10½ (27)	13 (33)	17 (43)
Seat width	15 (38)	15 (38)	17½ (44)
Back height	23 (58)	26½ (67)	32 (81)
Seat height	2/7 (5/18)	2/7 (5/18)	2/7 (5/18)
Seat height including tub stand	12½-18½ (32-47)	12½-18½ (32-47)	12½-18½ (32-47)
Seat height including shower stand	27½ (70)	27½ (70)	27½ (70)
Seat height including transfer base with long leg inserts	21-26 (53-66) 24½ - 29½ (62-75)	21-26 (53-66) 24½ - 29½ (62-75)	21-26 (53-66) 24½ - 29½ (62-75)
Length of mesh area when flat (without calf rest)	35 (89)	41 (104)	50½ (128)
Length of mesh area when flat (with calf rest)	42½ (108)	49 (124)	61 (155)
Width of base	18 (46)	18 (46)	21 (53)
Length of base when flat	29½ (75)	29½ (75)	29½ (75)
Tub stand height (legs flat)	8 (20)	8 (20)	8 (20)
Tub stand length (legs flat)	39 (99)	39 (99)	39 (99)
Tub stand width (legs flat)	17½ (44)	17½ (44)	17½ (44)
Shower stand height	22 (56)	22 (56)	22 (56)
Shower stand width	27 (69)	27 (69)	27 (69)
Shower stand length	34 (86)	34 (86)	34 (86)
Tub transfer base footprint	28 x 30 (71 x 76)	28 x 30 (71 x 76)	28 x 30 (71 x 76)
Max. tub height for transfer base with long leg inserts	20 (51) 24 (61)	20 (51) 24 (61)	20 (51) 24 (61)
Max. working load - Lbs. (kg)	75 (34)	150 (68)	250 (114)
Back and seat angle adjustments	0°, 15°, 30°, 45°, 60°, 75°		

Check your order

Your Wave bathing and transfer system comes with the bath chair completely assembled. You will only need to attach it to whatever base you are using, and position the backrest, seat and headblocks appropriately before use.

If your shipment is incomplete or in any way damaged on arrival, please call Customer Service, 800.571.8198.

Basic item

The Wave bath chair comes in small, medium, and large sizes. It can be used with or without a tub stand, shower stand, or tub transfer base. A soft fabric cover with padding is part of the standard product.

Legs

The bath chair legs adjust to raise or lower the chair by 7" (18 cm). You can also get an intermediate height by raising the front legs only.

Figure 5a: To raise or lower the chair:

1. Pull crossbar outward.
2. Rotate legs up or down.
3. Push crossbar in to engage.

Figure 5b: The bath chair folds flat for storage.



Figure 5a

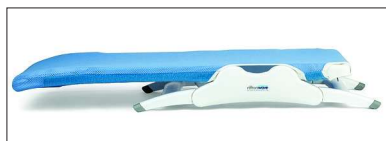


Figure 5b

Back

Figure 6a: The bath chair back adjusts in 15° increments with a one-hand latch. To adjust the back:

1. Squeeze gray handle (A) up behind chair back.
2. Rotate back to desired position.
3. Release gray handle to engage the latches at desired angle.



Figure 6a

Seat

Figure 6b: The seat angle adjusts in 15° increments. Increasing the angle can help prevent the user from sliding forward on the seat. To adjust the seat:

1. Pull the two gray triggers (B) under the front edge of the seat towards you.
2. Rotate the seat to the appropriate position.
3. Release both triggers to engage the latches.



Figure 6b

Seat with calf rest

⚠ WARNING To prevent serious injury, fold calf rest down during transfers. Full weight on calf rest may break it or tip chair.

Figure 6c: If you purchased the calf rest option, it is attached to the seat front and adjusts independently of the seat. To adjust the calf rest:

1. Hold the calf rest firmly while pressing the gray buttons (C) on both sides.
2. Adjust the calf rest to the desired angle.
3. Release both gray buttons engage latches.



Figure 6c

Head blocks

Figure 7a: Slide the head blocks in and out on the strap to adjust spacing. They can also be positioned at any height using the hook and loop fasteners at the back.

Soft fabric cover

The fabric cover for the bath chair is made of soft polyester knit for comfort. Extra padding between the fabric and the frame softens surface contact.

Chest straps

⚠ WARNING To prevent strangulation, ensure correct adjustment and positioning of the chest strap at each use.

Two choices of chest straps are available in soft polyester knit material.

Figure 7b: The **standard chest strap's** top portion encircles the user, and the back portion attaches around the bath chair back with a buckle.

Figure 7c: The **chest strap with lateral positioning** also buckles around the back of the chair, but has additional side pieces (A) that stabilize the chest strap laterally.

Leg straps

Figure 7d: Fasten the leg straps to the seat with the buckle underneath. Use the leg straps to secure the user's legs.



Figure 7a



Figure 7b: standard chest strap



Figure 7c: chest strap with lateral positioning



Figure 7d

Components

Tub stand

⚠ WARNING To prevent falls, make sure all four chair legs are firmly latched in the sockets on the stand before using the tub stand.

Figure 8a: The tub stand raises the bath chair to a seat height of either 12½" (32 cm) or 18½" (47 cm), depending on whether the tub stand legs are raised or lowered (see page 5).

Figure 8b: To attach the chair onto the tub stand:

1. Rotate front and back bath chair legs down into the vertical position (see page 5).
2. Insert the legs into the four sockets.
3. Press down firmly until the latches click into place.

To release:

Figure 8c:

1. Press down on both gray latches at one end of the tub stand.
2. Firmly lift up the bath chair, so that the two latches on the other end disengage.

NOTICE The tub stand is not sized to fit onto the shower stand or another tub stand.



Figure 8a



Figure 8b



Figure 8c

Shower stand



WARNING To prevent falls, make sure all four chair legs are firmly latched in the sockets on the stand before using the shower stand.

Figure 9a: The shower stand puts the bath chair on wheels at standing height for the caregiver. All three sizes of bath chair fit on the same shower stand.

To attach:

Figure 9b:

1. Rotate front and back bath chair legs down into the vertical position (see page 5).
2. Insert bath chair legs into the shower stand sockets.
3. Press down firmly until the gray latches (A) engage.

To release:

Figure 9c:

1. Press down on both gray latches (A) at one end of the shower stand.
2. Lift up the bath chair, and the latches at the other end will disengage.



Figure 9a



Figure 9b



Figure 9c

Tub transfer base

⚠ WARNING To prevent falls and injuries:

- Make sure front wheels are locked during transfers.
- Make sure both front and rear bath chair legs are securely latched onto the base.

The tub transfer base enables clients in the bathchair to be transferred over a bath tub with zero lifting.

Figure 10a: To set up base:

1. Squeeze latches (A) on underside of base at both ends, fold legs out until they click into place.
2. Place legs of the wider end of the transfer base in bathtub

Figure 10b: To install bath chair onto tub transfer base:

1. Rotate front and back bath chair legs up into the horizontal position (see page 5).
2. Slide crossbar of front legs under the white hook (B) on the narrower end of the transfer base.
3. Push back of bath chair down firmly to latch bar of rear bath chair legs under the gray latch (C).

Transfers:

1. **Figure 10c:** To rotate top platform, press either of the gray buttons (D) at one of the front corners. Start transfers with bath chair facing out from the tub.
2. Pull tub transfer base forward if desired and lock wheels. This allows room to use a mechanical lift if needed.
3. Transfer user onto bath chair seat and secure with strap(s).
4. **Figure 10d:** Release wheel brakes, push tub transfer base over the tub and lock wheels.
5. **Figure 10e:** Rotate bath chair 90°, lifting user's legs over side of tub.

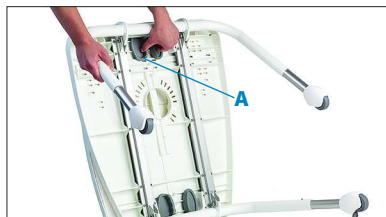


Figure 10a



Figure 10b



Figure 10c



Figure 10d



Figure 10e

Switching your tub transfer base from counterclockwise to clockwise configuration (or the reverse):

1. **Figure 11a:** Remove the two screws with a 5/32" hex tool. Lift the top platform off. Remove the two plastic glides (A) and the plastic plug (B) from the third hole (easier to do from the back).
2. **Figure 11b:** Pry out the long plastic stop (C) from the groove as shown. You may need a screwdriver or other tool to pull it out.
3. **Figure 11c:** Insert the plastic stop (C) on the other end of the same groove as shown. Then slide the rear slider (D) over until it hits the stop.
4. **Figure 11d:** Set the top platform on again; now the rear slider (D) should be in the other rear hole as shown.
5. Insert the two screws again and tighten with the 5/32" hex tool. Press the plastic plug (B) into the empty third hole.

Now your tub transfer base is ready to use in the opposite configuration.

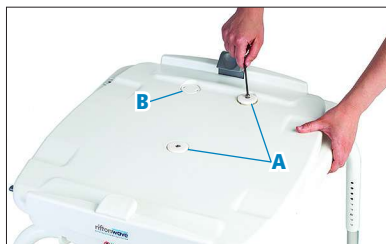


Figure 11a



Figure 11b

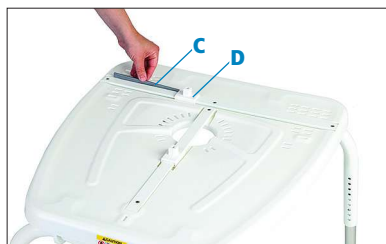


Figure 11c



Figure 11d

Wall hook for Wave tub transfer base

Installation instructions

WARNING To prevent injury, the hook must be properly mounted before use. A qualified professional such as a building contractor or maintenance person must securely install this hook to the wall using the following procedure.

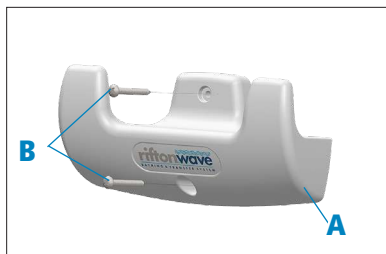


Figure 12a

To install:

1. Position the hook at the desired location on the wall (consider the size of the folded product to be hung there).
2. Select fasteners to suit the wall construction. Fasteners are not included.
3. Fasten the hook (A) securely to the wall with a minimum of two fasteners (B). The hook should be level (see figure 12a).

Conversion kit

Figure 12b: The conversion kit converts the small pink or blue Rifton bath chairs to a medium size, with or without calf rest, tool-free. Call customer service to order.

To attach (Figure 14a on p. 14):

1. Adjust the seat and back to vertical position and pull the cover from the frame, seat first.
2. Remove the back and seat by engaging the triggers and pulling upwards away from the base.
3. With the triggers engaged, insert medium back and seat into base using the grooves to orient them correctly.
4. Slide the new cover over the frames in the vertical position.



Figure 12b

Operation

The Rifton bath chair is intended for use in a bathtub or shower. It's adjustability and components enable bathing or showering clients with a wide range of disabilities. The seat and back angles adjust easily to accommodate positioning needs. Head Blocks, chest straps, and leg straps are designed for the safety of the user, and must be carefully adjusted for comfort and security. The bath chair legs can be placed securely in two positions to raise or lower the bath chair prior to use.

Maintenance

This product is designed and tested for an expected life of 5 years when used and maintained in accordance with this manual. At all times, users must ensure that the product remains in a safe and useable condition, including regular maintenance and inspections as specified in this manual.

To prevent structural failure, which may result in serious injury or death:

- Inspect this product and components regularly for loose or missing screws, metal fatigue, cracks, broken welds, missing attachments, general instability or other signs of excessive wear.
- Immediately remove this product from use when any condition develops that might make operation unsafe.
- Do not use Rifton components or products for any purpose other than their intended use.
- Replace or repair components or products that are damaged or appear to be unstable.
- Use only Rifton authorized replacement parts. Order information for replacement parts is provided on the back of this product manual.

Cleaning

The Rifton bathing system is designed for easy cleaning.

Figure 14a: Remove the fabric cover by adjusting both the seat and back to a near vertical position and pulling cover from frame, seat part first.

Fabric parts should be washed and dried at a warm (100°F/40°C) setting. Use mild detergent. Rinse well. Tumble dry at low heat. Disinfect frame and fabric with a commercial disinfectant, or a solution of up to 10% bleach. Rinse well.

The straps with hook and loop closures may be laundered. Engage the closures before washing. Do not iron.

Excessive use of bleach and high temperatures may damage the fabric. Do not iron.

Tub stand, shower stand, tub transfer base and frame parts may be cleaned using normal cleaning products. Casters will give the best performance if cleaned regularly by spraying from underneath with a high-pressure water hose. Do not use chemicals or lubricants.



Figure 14a

Warranty statement

If a Rifton product breaks or fails in service during the first year, we will replace it free of charge.

Materials 🛠

- Steel hardware items (nuts, bolts, screws, etc) are stainless steel.
- Fabric is a polyester knit, cushioned with polyester spacer fabric, with nylon hook and loop fasteners.
- Frames are made with powder-coated aluminum.
- Plastic components are typically injection molded from a variety of industrial resins.

All materials are latex, lead and phthalates free.

User modifications 🧑🏠🛠

⚠ WARNING To prevent serious injury or death, do not modify or alter Rifton products or components, or use Rifton products or components in conjunction with products from other manufacturers. Rifton does not accept responsibility for any modifications or alterations made to our components or products after they leave our premises. Customers modifying or altering our components or products, or using them in conjunction with products from other manufacturers, do so at their own risk.

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To order replacement parts

1. **Locate the ID number** of the product on the small white label.
2. Have this number available when you call **800.571.8198** for your customer service representative.

Use only replacement parts supplied by Rifton Equipment.

We are glad to supply replacement parts. Although Rifton makes every effort to supply correct parts and instructions for repairing or refurbishing your equipment, you are responsible to make sure that the repairs or modifications are correctly and safely completed.



Find letters of medical necessity
and more information at:
www.rifton.com/wave